

THAT WHICH IS CLAIMED:

5
1. A lighting device capable of providing long-term, interim lighting capabilities, the lighting system comprising:
an array of Light Emitting Diodes (LEDs) in electrical communication with corresponding electrical circuitry;
an electrical energy source for supplying electrical energy to the array of LEDs; and
a parabolic reflector positioned proximate to the array of light emitting diodes that reflects light from the LEDs to provide a wide area coverage of illumination.

10

2. The lighting device of Claim 1, wherein the electrical energy source further comprises a direct current electrical energy source.

15 3. The lighting device of Claim 2, wherein the electrical energy source further comprises an electrochemical energy source.

4. The lighting device of Claim 1, wherein the electrical energy source further comprises an alternating current electrical energy source.

20 5. The lighting device of Claim 1, wherein the array of LEDs further comprises a generally elliptical patterned array of LEDs.

25 6. The lighting device of Claim 1, wherein the array of LEDs further comprises an array of low luminance LEDs and high luminance LEDs.

7. The lighting device of Claim 6, wherein the low luminance LEDs further comprise amber LEDs and the high luminance LEDs further comprise white LEDs.

8. The lighting device of Claim 1, further comprising a translucent front housing that provides for light to be emitted from the lighting device to an area of illumination.

5 9. The lighting device of Claim 8, wherein the translucent front housing further comprises a generally elliptical shaped translucent front housing.

10 10. The lighting device of Claim 8, further comprising an activation element disposed proximate the front housing that allows for activation of the array of LEDs.

11. The lighting device of Claim 1, wherein the array of LEDs is positioned to face generally toward the parabolic reflector.

12. The lighting device of Claim 11, wherein the array of LEDs is positioned
15 to face in a direction generally opposite the wide area coverage of illumination.

13. A lighting device for multi-leveled illumination, the lighting device comprising:
an array of Light Emitting Diodes (LEDs) comprising one or more low
20 luminance LEDs and one or more high luminance LEDs;
an electrical energy source that supplies electrical energy to the array of LEDs; and

(1) [electrical circuitry that provides for alternately engaging the one or more
low luminance LEDs in a first stage of illumination, engaging the one or more high
25 luminance LEDs in a second stage of illumination and engaging the one or more low
luminance LEDs and the one or more high luminance LEDs in a third stage of
illumination.]

14. The lighting device of Claim 13, wherein the array of LEDs are formed in
30 an elliptical pattern.

Accepted for filing
claims 13-18
a.d.
23-26
4/3/18

000000

20060711 013000

15. The lighting device of Claim 13, wherein the one or more low luminance LEDs are one or more amber LEDs and the one or more high luminance LEDs are one or more white LEDs.

5

16. The lighting device of Claim 13, wherein the quantity of the one or more high luminance LEDs is greater than the quantity of the one or more low luminance LEDs.

10

17. The lighting device of Claim 13, further comprising a parabolic reflector proximate the array of LEDs that reflects light emitted from the LEDs to provide a wide area coverage of illumination.

15

18. The lighting device of Claim 13, wherein the electrical circuitry further comprises means for accelerating the flow of electricity to the high luminance LEDs to increase the intensity of light to maximum amplification.

20

19. A lighting device capable of providing long-term, interim lighting capabilities, the lighting system comprising:

a generally elliptical array of Light Emitting Diodes (LEDs) in electrical communication with corresponding electrical circuitry;

an electrochemical energy source in electrical communication with the electrical circuitry for providing energy to the array of LEDs;

25

an activation element in electrical communication with the electrical circuitry for selectively activating the LEDs to provide multi-level illumination of the lighting device; and

a parabolic reflector positioned proximate to the array of light emitting diodes that reflects light from the LEDs to provide a wide area coverage of illumination.

20. The lighting device of Claim 19, wherein the array of LEDs further comprise one or more low luminance LEDs and one or more high luminance LEDs.

21. The lighting device of Claim 20, wherein the activation element is capable of engaging combinations of the one or more low luminance LEDs and the one or more high luminance LEDs to provide multi-level illumination.

22. The lighting device of Claim 19, wherein the array of LEDs are positioned to emit light toward a concave surface of the parabolic reflector with the light being reflected from the concave surface and directed in a generally opposite direction from which the array of LEDs emit light.

23. A multi-level illumination device, the device comprising:
a switch for engaging multiple levels of illumination;
a processor in electrical communication with the switch that determines the level of illumination based on signals from the switch;
a first bank of light emitting diodes in electrical communication with the processor that provides low intensity illumination based on signals from the processor;
a second bank of light emitting diodes in electrical communication with the processor that provides high intensity illumination based on signals from the processor; and
means for providing increased current to the second bank of light emitting diodes to amplify the level of illumination.

24. The device of Claim 23, wherein the means for providing increased current to the second bank of light emitting diodes further comprises means for altering the voltage bias of the LEDs.

25. A method for multi-level illumination, the method comprising the steps of:

engaging one or more low luminance Light Emitting Diode (LEDs) that are disposed in a LED array to provide first level illumination for the purpose of illuminating the location of the light source;

5 disengaging the one or more low luminance LEDs and engaging one or more high luminance LEDs that are disposed in the LED array to provide second level illumination for the purpose of illuminating a specified area proximate the light source; and

engaging the one or more low luminance LEDs in concert with the high luminance LEDs to provide third level illumination for the purpose of further illuminating the specified area proximate the light source.

26. The method of Claim 25, wherein the step of engaging the one or more low luminance LEDs to provide third level illumination further comprises accelerating the flow of electricity to the one or more high luminance LEDs for the purpose of increasing the intensity of illumination.